

From boatanchors@theporch.com Sun Jun 4 15:30:53 1995
Date: Sun, 4 Jun 1995 10:30:53 -0500
Message-Id: <Pine.SUN.3.91.950604081656.15510A-1000000@coyote.rain.org>
From: "Ray L. Mote" <rmote@rain.org>
Subject: Re: A-26 INVADER

Dave, the Erection & Maintenance manual for that bird was AN 01-40AJ-2 dated 25 December 1944. The following info is from the 10 October 1946 version:

A-26-B (and A-26-C unless otherwise noted):

Due to allocations, some planes had either SCR-274-N or SCR-522 command sets.

Due to allocations, some planes had either MN-26Y or AN/ARN-7 radiocompass receivers.

AN/AIC-2 Interphone

RC-193 (either BC-1023 or BC-1033) marker beacon receivers.

The late A-26-C ships carried the AN/ARC-3 VHF command set and the AN/ARC-8 (the old familiar BC-348 and an AN/ART-13) liaison set.

Some aircraft carried one or more of the following:

- AN/ARR-1 homing receiver

- AN/APN-1 or SCR-718 radar altimeter

- AN/APQ-9

- AN/APN-9

- AN/APN-3 & AN/APQ-13

- AN/APN-19 radar beacon

If you can find the "dash four" (AN 01-40AJ-4) which is the parts catalog for that beast, it may be more specific. Certainly, you'll need the "dash two" cited above for the wiring diagrams, etc. Heck, those CAF guys have to be working from the dash two in order to get it back in shape; they probably have the dash four as well, for the parts lists. Take a looksee if you can.

Good luck!

From boatanchors@theporch.com Sun Jun 4 18:59:11 1995
Date: Sun, 4 Jun 1995 13:59:11 -0500
Message-Id: <199506041855.LAA21032@netcom8.netcom.com>
From: rmccarty@netcom.com (roger mccarty)
Subject: Akai X150SD schematic needed.

I am need of a schematic for this model. Shopuld anyone have one or know where I might get one, I would be very appreciative. Willing to pay for the scematic.

Thanks very much
Roger KD6CC

From boatanchors@theporch.com Mon Jun 5 01:23:29 1995
Date: Sun, 4 Jun 1995 20:23:29 -0500
Message-Id: <115207@w5ddl.aara.org>
From: n5off@w5ddl.aara.org
Subject: BA Used Everyday

I use my R-390A and R-388 (rotating) to listen to the news in French everyday on KVPI, 1050 kcs in Ville Platte, LA.
I also use my BC-348 to listen to Radio Canada, just to keep the dyno spinning in good shape. I have a BC-348 at the office that the Dilberts use while I am trying to work.
I tell them it is a radar set and they shouldn't get too close when its on ;-)

73 de tom

From boatanchors@theporch.com Sun Jun 4 05:29:08 1995
Date: Sun, 4 Jun 1995 00:29:08 -0500
Message-Id: <9506040523.AA20213@texan.frco.com>
From: bill@texan.frco.com (William Hawkins)
Subject: Re: BRIDGING THE GAP

>In short, if the radio is already stripped and unsalvageable,
>(and there are LOTS of those out there), then we can get
>them back in the spot light this way.
>
>Dave Stinson AB5S/7

Nobody else has mentioned this yet - what about the other way around. What happens to the parts stripped from an otherwise good set? Is anybody managing a parts boneyard, or does all of that (including tubes) fill the dumpster?

Bill Hawkins bill@bvc.frco.com

From boatanchors@theporch.com Sun Jun 4 15:58:30 1995
Date: Sun, 4 Jun 1995 10:58:30 -0500
Message-Id: <Pine.SUN.3.91.950604084457.18176A-100000@coyote.rain.org>
From: "Ray L. Mote" <rmote@rain.org>
Subject: BRIDGING THE GAP

You might try Thomson's Aviation Library, HCR-10, BOX 102, Adelanto, CA 92301 for aircraft manuals. Their phone is (619) 388-4216, FAX is (619) 388-4236. Mark Thomson will have the girls look; if they have a spare copy, they'll sell it to you. Otherwise, they'll photocopy it, or sections of it as you specify. Be prepared for high cost! It's a neat place to visit, as it is on the same site with his surplus aviation "boneyard", and you can wander among old helo and commercial jet carcasses. Don't even think of asking the price on beat-up, filthy WW2 near-junker sets -- you'll need to take out a second mortgage.

You might want to contact Dave Ishmael, WA6VVL. He did a strip job on a rack of 274-N junker receivers, repainted them, and even had a local shop make up Signal Corps inspection stamps. Looked like a million bucks when he was finished with them. He may be able to get another set of stamps made up for your restoration work, and can certainly provide excellent advice based on solid experience.

By the way, I seem to recall that the AVT-112 went with the AVR-107 receiver. Tom Horsfall has one or the other, with cabling, and may be able to advise you. I spoke with him last night, and found that you two already know each other when I mentioned your quest for 274-N components.

From boatanchors@theporch.com Sun Jun 4 09:19:19 1995
Date: Sun, 4 Jun 1995 04:19:19 -0500
Message-Id: <Pine.PCW.3.91.950603230809.6655A@dip117.pixi.com>
From: Dave Creek <dcreek@pixi.com>
Subject: Re: CUTE LITTLE AIRCRAFT BA

On Sat, 3 Jun 1995, Dave AB5S/7 wrote:
I found a cute little aircraft transmitter
> at the Vegas swap meet today.
>
> It's an RCA AVT-112A. It's in a little box about
> 6 inches square with gray wrinkle finish, a
> dual-target magic eye tube for plate current and
> antenna current, and xtal control. It's in excellent
> shape and is apparently wired for 6VDC, as shown in
> a small window in the bottom. The paper tuning chart

> on the front looks good and the face is unmarred.
>
> I know it's WW-II era since it sports a nice orange
> Signal Corps inspection stamp on the front. It even
> has the connector on the back.
>
> Anyone know anything about this old vet?

The RCA AV series and the ARC Type 12 series were late WW II, Korean war vintage command type systems for Army liaison aircraft. I have seen them installed in L-3, L-5, and L-37 (Ryan Navion) aircraft. There was an LF receiver with manual loop antenna, several HF receivers and transmitters, CW and AM, and a VHF transmitter and receiver. These came set up for the 6 or 12 volt electrical systems in these light aircraft.

Dave Creek, NH6BA
Ewa Beach, HI.

From boatanchors@theporch.com Sun Jun 4 15:45:27 1995
Date: Sun, 4 Jun 1995 10:45:27 -0500
Message-Id: <Pine.SUN.3.91.950604083543.517A-100000@crl10.crl.com>
From: Steven Wilson <randyw@crl.com>
Subject: Do you use your Boatanchor ?

Interesting question, how many of the BA collectors are users of the equipment ? Yes, I am also guilty. I have a SP-600 JX17 and use it for SWLing. It sits in my workshop, but have never used it for an on the air amateur radio qso. I also use BC-453's for monitoring LowFer activity.

So... Do you use your BA ? How ?

Do you have a BA xmitter go with the receiver ? What kind of transmitter goes well with a BA receiver.

At present I am looking for a R-390A receiver. Another BA, however, I plan on using this one for CW along with my solid state homebrew transmitters. I also hope to use it with my Millen 50 watt CW transmitter.

de stan ak0b
e-mail via randyw@crl.com

From boatanchors@theporch.com Sun Jun 4 16:48:35 1995
Date: Sun, 4 Jun 1995 11:48:35 -0500
Message-Id: <199506041644.LAA03526@quake.xnet.com>
From: mshaum@xnet.com (Mark Shaum)
Subject: Re: Do you use your Boatanchor ?

>
>So... Do you use your BA ? How ?
>
>Do you have a BA xmitter go with the receiver ? What kind of transmitter
>goes well with a BA receiver.
>

Well, I try to keep all of my anchors fired up. This usually involves some rotation of equipment to the operating bench, as gear tends to be distributed between the ops bench, the repairs bench, and shelves. For example, I recently dusted off (literally) my Drake 2B/2BQ and exchanged it with the NC173 for one of the operating positions.

Your post reminded me that I haven't had the HT-37 and SX-111 pair on the desk for a couple months.. Time for a quick test and plan to get them back on the air also..

I would imagine we all have our favorites for daily QSO's. I'm probably different in that I don't mind using one of the lesser-performing boxes for a while. At any rate, here's the current setup:

Main CW and AM station: Johnson Viking II, Drake 2B/2BQ (used on cw and ssb monitoring) and the Hallicrafters SX146 prototype (better AM receiver). This is my most oft used setup for my weekend CW and AM relaxation.

Station two: Johnson Ranger I and HQ-129X. Occasional use on 160 and 80 CW. The 129X is the general purpose SWL receiver.

Station three: Hallicrafters FPM300 for SSB ragchewing, occasionally hooked to a pair of 35T's in push pull. A Hunter Bandit 2000B is also available for those once-a-year QRO operations.

Digital Station: Yaesu FT980, MFJ TNC, remote controlled via a node on the Novell network. Used occasionally when the local line noise makes reception near impossible on the other non-blanker equipped receivers.

Stuff to bring online sometime soon: HT37/SX111 pair. Nice general purpose, all mode setup. The NC173 (very nice IF filter for CW) will rest a spell. Recently fixed up Ameco TX-86 will be heard on CW and AM (screen mod). Knight T150A/R100A pair. Recently fixed up, tested on the DX-60 net last weekend. Ok, but the T150A needs more audio work.

Fun rigs: Used sporadically: Ameco AC-1 6V6 rig. Home brew 6L6-pp6L6 setup for 160, 80 and 40. Knight receivers, Star Roamer, Span Master. Homebrew DC receivers (R1 and R2 phasing rx). Hallicrafters HA-5 VFO rotates as needed.

Seldom used: Hallicrafters SX-62. Needs alignment, still trying to get a readable schematic (after three manual suppliers attempted..) TenTec 540/Delta. Nice 100 watt transceiver, in truly mint condition (which is probably why I don't use it often). RME 4300/4301 receiver setup. Still seeking a manual, schematic or darn near anything for this hamband receiver/ssb adapter pair. Hope to have it more functional some day..

Test Bench: Kenwood TS430S is the standard shack signal generator, having been patched for DC to VHF output. May go mobile this summer if I get the guts up to bore some holes in the Celebrity.

As you see, I try to keep some sort of transmitter matched up with some sort of receiver. I currently have room for three or so 'paired' equipment setups on the operating bench. I do encourage everybody to keep those filaments lit during actual QSO's as often as possible!

73! - Mark, NE9G

From boatanchors@theporch.com Sun Jun 4 18:37:10 1995
Date: Sun, 4 Jun 1995 13:37:10 -0500
Message-Id: <9506041331.aa12285@jackatak.theporch.com>
From: Fire Bottle archive handler <firebotl@jackatak.theporch.com>
Subject: Do you use your Boatanchor ?

Stan-

> So... Do you use your BA ? How ?
GREAT question, and thanks for asking...

Personally, I plead space limitations: I do 100% of my hamming mobile, and in the front seat of a small Euro-sedan, there isn't room for much firebottle energy, and the airconditioner is working overtime to just keep up with Tennessee normal weather. ;^)

Until we moved to this house, however, I used a rather large equipment rack with a PAIR of R390-A receivers (one Amelco, one Motorola), a Hallicrafter HT-32B with all 10 meter crystals in place (although a mod or two was made to the audio deck/SSB generator to replace the 7360 beam deflection tube with a 6JH8 which handled more soup and did

a better job with fewer headaches), an HT-33A linear amplifier (when needed) and various meters cobbled together to warn of impending meltdown.

That was my station. I had a silicon/hybrid box for traveling to far away islands, but daily operations were with the firebottles. I started putting that combo together in 1976 and used it regularly through the mid/late 1980s.

Given that I can no longer have towers and arrays up, and having eaten from that fruit already, I chose to go mobile, and see what I could do there instead of bemoaning the loss of real estate and big signals.

It meant giving up operating, and in some cases owning, the firebottles... It did NOT diminish my interest in these rigs, whose workings I can understand, nor make me a traitor... simply a life voyager whose charted path has changed, and will change again. ;^)

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)
- - - BoatAnchor Mailing List Archiver/Owner - - -
firebotl@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"

From boatanchors@theporch.com Sun Jun 4 19:20:05 1995
Date: Sun, 4 Jun 1995 14:20:05 -0500
Message-Id: <Chameleon.4.01.2.950604145626.jproc@>
From: jproc@worldlinx.com
Subject: RE: Do you use your Boatanchor ?

>So... Do you use your BA ? How ?

>

>

Stan,

My personal collection consists of the following BA's:

Hammarlund HQ 145X receiver
Marconi CSR5A receiver; 80 - 500 khz; 1.5 to 30 Mhz; circa 1944
Marconi FR12 LF/HF transceiver CW/MCW/Phone 15 watts; circa 1944
BC-357F Marker Beacon receiver
Command receiver BC-454B (3-6 Mhz)
Command receiver BC-455B (6-9 Mhz)

KW2000A Amateur Band Transceiver; Made in England around 1967.
Eico Model 221 VTVM
Heathkit test instruments (cap checker, oscilloscope)

With the exception of the KW2000B, most of the equipment sits idle, however, it all gets turned on periodically to ensure that it's still operational.

Regards,

Jerry Proc VE3FAB
E-mail: jproc@worldlinux.com
Radio Restoration Volunteer
HMCS Haida Toronto, Ontario

From boatanchors@theporch.com Sun Jun 4 21:02:05 1995
Date: Sun, 4 Jun 1995 16:02:05 -0500
Message-Id: <m0sIM1W-0010diC@spider.lloyd.com>
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Re: Do you use your Boatanchor ?

At 10:43 AM 6/4/95 -0500, Steven Wilson wrote:

>
>So... Do you use your BA ? How ?

The answers are "Yes" and "For almost all of my ham radio communications"

On HF, the only gear I have, is vintage BA. On VHF, the only non-BA gear is my HT and a Heath 2036 (my main 2M rig.....old, but far from a BA). So, if I'm on the air talking with someone, chasing DX, or whatever, odds are it's with some form of BA.

>
>Do you have a BA xmitter go with the receiver ? What kind of transmitter
>goes well with a BA receiver.
>

Well, for my money, I would and do pair transmitters of the approximate same vintage with BA receivers.

For example, if you listen on an older SX-101 or SX-101 MK III, a period correct transmitter might be a vanilla HT-32 (not A or B). If you listen with, say, an SX-100 Mk I (of about 1955 vintage), a compatible transmitter choice might be a DX-100.

Similarly, I'd pair a period-correct microphone with a BA transmitter/receiver combination. A Heil headset, to my way of thinking, would just look awfully silly hooked to a DX-100/SX-100 combination, but an Astatic JT-30 wouldn't.

73,

Jim - km6nk

From boatanchors@theporch.com Sun Jun 4 23:37:31 1995
Date: Sun, 4 Jun 1995 18:37:31 -0500
Message-Id: <Chameleon.4.01.2.950604183647.gyoungma@gyoungma.gtetel.com>
From: Grant Youngman <gyoungma@jaws.gtetel.com>
Subject: RE: Do you use your Boatanchor ?

>Stan-
>
>> So... Do you use your BA ? How ?
>GREAT question, and thanks for asking...
>

DITTO ...

I purchased an HQ-180A about a year and a half ago and the dye was cast.

Since then my acquisitions include an HRO-60T and HQ-170A, Viking II with Johnson VFO, Globe Champion 300, and my latest restoration project and current favorite transmitter, a Globe King 500C. There's a C-line and KWM-2 lurking in there somewhere -- but mostly I use the AM stuff -- and really enjoy the restoration process, with all its headaches..

Nothing is there just to hold the house to the ground. It all gets used -- why have it otherwise. The want list is huge, but I'm out of table and shelf space. Still ... if I could find a GPR-90 or RME 4350A/4301 combo, or one of 50 others on my list... well, I guess I could find room for ONE more. Maybe I could convince my wife to let me take over the family room .. :-)

The modern rice boxes on the main operating table get turned on infrequently. I use them as a point of reference once in a while to remind myself just how GOOD SSB can sound on a hollow state receiver like the HQ-170.

The net result has been the renewal of what was a sagging interest

in ham radio after almost 40 years of trying almost everything else.

Grant/NQ5T

(Formerly K5VCM, W0JXE, KH6HHC, WB4BBD)

From boatanchors@theporch.com Mon Jun 5 01:28:07 1995
Date: Sun, 4 Jun 1995 20:28:07 -0500
Message-Id: <199506050125.VAA11605@pharos.cs.unc.edu>
From: Nick England <nick@cs.unc.edu>
Subject: Re: Do you use your Boatanchor ?

YUP - I have a tree of co-ax switches to select any of the following:

4 positions that I use on 40 & 75 AM:

Apache + Mohawk
NC-303 + Ranger II
SX-101 + Valiant II
NC-300 + DX-100

1 CW position
32S-1 & 75S-1

1 SSB position
T-4XC & R-4C

and a bunch of rcvrs:
SX-42 (mostly for FM broadcast!)
HQ-170A
HQ-180A
SX-115
75A-4
R-388A
LTV G133F (spook 51S-1)
HR0-60
NC-270

and a bunch of other stuff waiting their turn on the bench.
Unfortunately I haven't had time lately to use any of this stuff as much
as I'd like, but it is all set to go when I do get downstairs.

From boatanchors@theporch.com Mon Jun 5 02:04:56 1995

Date: Sun, 4 Jun 1995 21:04:56 -0500
Message-Id: <9506050202.AA05391@pig.die.com>
From: "Dave Emery" <die@pig.die.com>
Subject: Re: Do you use your Boatanchor ?

I guess it doesn't qualify as the sort of boatanchor that most people on this list think of, but I keep my Collins 851S2 running most of the time, and it certainly is a classic collectable antique, even if a bit newer than standard.

Dave

From boatanchors@theporch.com Mon Jun 5 04:25:49 1995
Date: Sun, 4 Jun 1995 23:25:49 -0500
Message-Id: <Pine.3.89.9506042157.A1141-01000000@netcom9>
From: paul Veltman <veltman@netcom.com>
Subject: Re: Do you use your Boatanchor ?

Steve and Gang,

> So... Do you use your BA ? How ?
>

Of course I do. In the same way as I would suspect most people use their BA. For talking to other hams. That's what ham rigs are for, isn't it? I don't just leave my BA on a shelf and look at it.

> Do you have a BA xmitter go with the receiver ?

Yes I do. I have a 32S-3 that goes with my 75S-3 and I have a 32V-2 that goes with my 51J-4.

> What kind of transmitter goes well with a BA receiver.

Mostly, the kind that was made for it. :-)

73

Paul WA6OKQ

From boatanchors@theporch.com Sun Jun 4 22:14:30 1995
Date: Sun, 4 Jun 1995 17:14:30 -0500
Message-Id: <199506042211.QAA22359@bock.ucs.ualberta.ca>
From: tschuld@gpu.srv.ualberta.ca (Chris Dorn)
Subject: Hallicrafters S108

Hello,

I have a Hallicrafters S108 receiver. I am assuming that this was a budget communications receiver from the late sixties, or early seventies. It is operational and has the crystal calibrator. There is a bit of dust in the volume, and bandswitch. The original internal speaker is missing, and the glass faceplate is cracked in one corner.

Can anyone tell me a bit about this RX? Would it be worth it to try and find a faceplate for it? Or should this one remain in the closet?

Chris VE6RDC

From boatanchors@theporch.com Sun Jun 4 19:46:32 1995
Date: Sun, 4 Jun 1995 14:46:32 -0500
Message-Id: <Pine.OSF.3.90.950604152128.25842A-100000@govonca2>
From: Brien Pepperdine <pepperb@govonca2.gov.on.ca>
Subject: Johnson Navigator, Heath HR-10

Once again (oh, no, not again!? Yes, again.) I solicit the wisdom and hard earned advice of the BA group. Now we are just getting into curiosity and boxes to poke and see what happens/does not happen.

I can pick up a Johnson Navigator xmtr, and an Heath HR-10 receiver, amongst other odds and ends (Gen-U-Ine Canadian RCAF 'bug' key, of which I have one already, and they are fine, and I know two collectors after that key, but sadly for them during 'liberation' and 'demobilization' these keys usually 'lost' their name plate/manufacturer plate so as to lose 'identity' as RCAF property, so the value to a collector is not there.)

Anyhoo, any nuggets of info on the aforementioned Johnson and Heath would be appreciated. They do run, really, according to the fellow, who really DOES seem to be an honest one (hi), but that's not the major point anyway. I will use them for nostalgia and fun on cold winter cw (maybe the xmtr more than the rcvr, but I don't KNOW the rcvr, yet, so maybe I will - you tell me!).

I can pick this stuff up in some weekend travel diversion sometime, but I would like to tell the fellow yes or no, and have him hold on to it until I can manage to swing by his place and get it.

BTW,for info (everyone seems to have their fleamarket 'scores' on Monday, so here in mine!!)

the fleamarket yesterday saw me bring back a Viking II, with the

'breakin' keyer modification Johnson offered, along with a Johnson 122 VF0. Everything seems to light up, and overall condition seems good. The 807 tubes are not there, and the 6AU6 tubes (two) are gone too, and the plate cap connectors for the 807s are gone. I guess it was taken off of AM use and just on CW - but I can get the tubes no problem, and will find some plate cap. connectors somewhere I guess. Cost = 25 dollars, haggled down A LOT from the initial cost when I threw a homebrew 7044 based keyer and a homebrew R-X antenna 'analyzer' I had on hand and was looking to sell anyway. I've already realized the money back from the estate I got them from, so I figure my cost to be pretty low. Anyhow, I was looking for that VF0, so its a good deal by my books.

(I already have antenna analyzers by Palomar and MFJ, so I figured one more from a Ham Radio magazine article was a bit redundant, and I could take the loss).

Anyway, tnx for any info on the Heath and Johnson.

Brien
Toronto
VE3VAW

pepperb@gov.on.ca

From boatanchors@theporch.com Sun Jun 4 15:37:40 1995

Date: Sun, 4 Jun 1995 10:37:40 -0500

Message-Id: <Chameleon.4.01.950604102612.dgibbs@>

From: "R. Dennis Gibbs" <dgibbs@Rational.COM>

Subject: Manassas, VA hamfest, 6-4-95

Well, I just got back from the June 4, 1995 version of the Manassas, VA hamfest.

The weather was pretty good, although it was a bit hot and sticky. It was very well attended. My interest is boatanchor receivers, and I didn't really see much that I was interested in. I didn't see a single R390A, R-388, SP-600, etc. I did see someone selling R-1051 receivers. It was Tony Snider, who I believe advertises in Electric Radio. He had the following -

R-1051, no suffix, working well/checked \$275

R-1051B, working well, checked \$325

R-1051G, working well, checked \$525

There were a few miscellaneous Hallicrafters and Drake equipment, but nothing that really caught my eye. The real bargain at this hamfest was tubes. New Old Stock JAN tubes could be had for \$0.25 or \$0.50 each! Also lots of parts too numerous to mention were available.

Perhaps others can add their experiences at this fest.

73,
Dennis Gibbs
dgibbs@rational.com

From boatanchors@theporch.com Sun Jun 4 20:48:18 1995
Date: Sun, 4 Jun 1995 15:48:18 -0500
Message-Id: <9506042045.AA01938@cenhq>
From: gc@fox.cen.com (Gary Chatters)
Subject: Re: Manassas, VA hamfest, 6-4-95

Dennis writes:

>

>Well, I just got back from the June 4, 1995 version of the Manassas,
>VA hamfest.

So did I, but Dennis was quicker with the hamfest report :-).
Here's my supplement....

I didn't see any R-390's either. It's interesting how some things will be very common, then suddenly seem to disappear.

Here are a few BA items:

Mohawk , \$100
Marauder, \$100
Drake 2B, \$85
SX-117, spkr, \$175
51S1 \$800
Johnson 6N2, w/ VFO \$30 (would take less)
HP608C \$35 (maybe that was a D, not sure)
FRR-13 \$50
Heath HR-20, HX-20, MT-1 \$275 for the set (if I read the sign right)
TMC CFA-1 \$2 (I bought this one).

The FRR-13 is a LF/MF receiver, covers 14-600 kHz. Does anyone know anything about it? (I didn't buy it, but it looked interesting.)

The CFA-1 is a FSK converter. Does anyone know anything about it? Unfortunately it has a broken wafer switch (1 layer, may be repairable). With 22 tubes including a CRT for \$2, I probably got my money's worth.

There were several Tek' 500 series 'scopes. Some looked quite nice. Prices seemed rather high; close to \$100. Actually, \$100 for a 'scope that good is a great deal, but they've been going for less.

I found an Aiken HF Multicoupler, 1 antenna in, out to 8 receivers, for \$10. This is an early solid state unit.

There was a 28KSR in tabletop cabinet for \$50. I offered him \$0, but he didn't take it :-). It turns out that he has some at home that he keeps going, so he'll probably just keep it. I was glad to find someone else that ran these old machines.

I keep a look out for old technical books and found a copy of "Physics for Technical Students: Sound, Light, Electricity and Magnetism", by William Anderson, copyright 1919. Not a classic (as far as I know) and a few torn pages, but for \$1 I decided to take it home. There could be some interesting historical reading here: there are sections on Hertz's experiments, the Alexanderson generator, Poulsen Arc, etc.

73,

Gary

From boatanchors@theporch.com Mon Jun 5 02:33:48 1995
Date: Sun, 4 Jun 1995 21:33:48 -0500
Message-Id: <9506050538.22615.aa@SMROUTER.AAC.COM>
From: Johnson_Dan@AAC.COM
Subject: Re: Manassas, VA hamfest, 6-4-95, ahhh...

Content-Type: text/plain; charset=US-ASCII

Ah, glorious day. Nothing beats seeing and touching this stuff firsthand, regardless of purchase. So much history in so little space (relatively, if 25+ acres is "little").

The historical highlight for me was a gentleman selling way-ancient receivers. Most were consoles, Atwater-Kents, their attendant speakers, etc., but he had three stunning homebrew regens, a one-tube (\$40) breadboard and two three-tube (I think; \$150-\$200) in finished cabinets labelled with their creator's names. Inductors in all were meticulously

constructed Lorenz coils. A box or two of parts, right out of 30s QST ads. Regret that I can't yet afford historical authenticity.

Lots of good eyeball QSOs. One guy noted an interesting trend: people arriving at tailgate sites, pulling all manner of loose tubes from boxes into a pile, and *then* sifting through them to see what they wanted, like animals over steaming meat (analogy mine). Don't recall whether he knew or conjectured that they were audiophiles; one's true. Scary.

> My interest is boatanchor receivers, and I didn't really see much that I
> was interested in.

Agreed. Someone brought out a National, and the grapevine buzzed, drawing hams from behind their tailgate tables. Gaithersburg's the RX 'fest, apparently. (Also the mid-Atlantic AM mecca transplanted from Deerfield(?), according to AM QSOs heard after last year's. Something about what a nice reception they got there...)

> There were several Tek' 500 series 'scopes. Some looked quite nice.
> Prices seemed rather high; close to \$100. Actually, \$100 for
> a 'scope that good is a great deal, but they've been going for less.

I got there midmorning but was pleased to pick up (unh!) a Tek 556 with CA and 1A7A plugins, original manuals for the 'scope and CA, and roly table, all for the princely sum of \$25. Don't know how the 556 stacks up against the list's favorites but figured I couldn't go wrong. For a not-so-proud owner of a pair of 5MHz B&H junkers, this is Miller Time. Not much tinker time yet, but the dual traces trace and the triggers trigger. Powerup sounds like a turboprop. Wonder if there are common failure modes or other gotchas?

No TV-2's but did snatch an \$8 original manual in anticipation, someday...

> There was a 28KSR in tabletop cabinet for \$50.

And the ASR-33, sans demodulator, for \$5. (Me: no room! Aargh!)

> The real bargain at this hamfest was tubes. New Old Stock JAN tubes
> could be had for \$0.25 or \$0.50 each! Also lots of parts too numerous to
> mention were available.

Dang. Usually, I have time for a tube run, not this time. Even had a Lotus Notes database printout of needed ones. Did snatch an almost-new Eimac 4X150A from K3AK for \$2. That's going into an HB CW TX someday. Plus some VRs and 1625s (\$2.50 ea) from a kindly lowfer (forgot call) who tested them on his TV-2 and wrote specs on each box. Wow.

It was pleasant to find bounteous iron treasures. Perhaps one sees only

that for which one is looking. The pickup actually groaned a bit on the ride back, laden as it was.

First prize goes to a 28V to 110V transformer (\$1), which I intend to use backwards for the ART-13. It's big, heavy, and has thick, insulated winding layers. The only markings are "ES 1686 02" and "Feb 21, 1966". Second goes to the 28V to 110V 400Hz inverter (\$20) with E, I, and F meters, cables and connectors. Honorable mentions go to bags and boxes of transformers, chokes, HV caps, and a boatload of junky box filler.

Comment overheard amongst tailgaters: sales were down this year. They seemed more friendly and polite this time, though; perhaps they were trying harder.

Sorry about bandwidth here - got a bit carried away, but then that's par for the day.

Vy 73 es vive le 'fest de KC4EWT (Herndon VA)
Johnson_Dan@aac.com

From boatanchors@theporch.com Mon Jun 5 00:05:55 1995
Date: Sun, 4 Jun 1995 19:05:55 -0500
Message-Id: <F64J0037.F64J0049@mail.admin.wisc.edu>
From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: MEDIC! My DX-100 is hurt!

to: boatanchors@theporch.com

Greetings, Troops.

For the past couple of weeks, I've been working on an odd audio problem in my DX-100.

I've come to the reluctant conclusion that the modulation transformer is trashed, probably internally arcing on negative voice peaks.

Does anyone out there have a mod transformer from a DX-100, DX-100B, or an Apache that they'd part with? If necessary, I'd be willing to buy an entire basket case transmitter to get the transformer.

73's,

Tom, K9TA

From boatanchors@theporch.com Mon Jun 5 03:10:32 1995
Date: Sun, 4 Jun 1995 22:10:32 -0500
Message-Id: <Chameleon.4.01.2.950604220915.gyoungma@gyoungma.gtetel.com>
From: Grant Youngman <gyoungma@jaws.gtetel.com>
Subject: RE: MEDIC! My DX-100 is hurt!

>to: boatanchors@theporch.com
>
>Greetings, Troops.
>
> For thge past couple of weeks, I've been working on an odd audio problem
>in my DX-100.
>
> I've come to the reluctant conclusion that the modulation transformer is
>trashed, probably internally arcing on negative voice peaks.
>
> Does anyone out there have a mod transformer from a DX-100, DX-100B, or
>an Apache that they'd part with? If necessary, I'd be willing to buy an
entire
>basket case transmitter to get the transformer.
>
> 73's,
>

If you can't find one out of a parts unit, you might try Lucas Transformer at
(616)229-4318. They can probably completely rebuild your bad one. Prices
don't seem too grossly out of line, either.

Grant/NQ5T

From boatanchors@theporch.com Sun Jun 4 10:52:33 1995
Date: Sun, 4 Jun 1995 05:52:33 -0500
Message-Id: <memo.721346@cix.compulink.co.uk>
From: oddjob@cix.compulink.co.uk (Stephen Walters)
Subject: National HRO

In-Reply-To: <Pine.PCW.3.91.950603230809.6655A@dip117.pixi.com>
I have just acquired a National HRO with ONE coil pack (anyone in the UK
want to sell me the rest!) but a missing speaker. Now Ideally, I'd like
the missing speaker, but in the meantime, I'd like to use it.

The external HRO speaker apparently as a matching transformer, any idea
of the spec? I believe to output imp of the radio is very high and the

speaker was 3ohm?

Any data anybody, service manuals would be nice too.

Stephen Walters 42 Achilles Rd, London, NW6 1EA, United Kingdom.
Tele 0956-544202.
oddjob@cix.compulink.co.uk
.....I'll be G0??? when I get my licence....!!!

From boatanchors@theporch.com Sun Jun 4 14:27:56 1995
Date: Sun, 4 Jun 1995 09:27:56 -0500
Message-Id: <199506041424.AA19297@ns-1.csn.net>
From: wkleros@csn.net (Bill Kleronomos)
Subject: New Home

To any concerned: Am now using a new Internet provider. Please revise your records of my e-mail account accordingly. Regards--
"Peak the grid, dip the plate, dive right in- don't hesitate!"
de KD0HG

From boatanchors@theporch.com Mon Jun 5 05:39:54 1995
Date: Mon, 5 Jun 1995 00:39:54 -0500
Message-Id: <9506050535.AA20605@texan.frco.com>
From: bill@texan.frco.com (William Hawkins)
Subject: On-line manuals

Picked up Bob/NA4G's manual from cropsci via ftp, so I could get the binary .zip file. That's an impressive piece of work. Bob, did you really type it in (resisting the temptation to improve the style), or did you scan it, ocr it, and fix it? Did not try MYROFF, but understand how it works, and how it probably saves space in transmission. Actually, Microsoft Word docs compress to about 20% of their excessive size using Pkzip. Was tempted to translate to Word 6 to see what it looked like for size, but time ran out.

Also picked up some of the .gif's that Bill Beech put on ftp.hereford.ampr.org in the /pub/hamradio/incoming directory. They're gonna need some work to be useful. Maybe that software that NASA uses to turn 4 pixels into The Face on Mars. Or just larger originals that don't challenge the resolution of the scanner so much.

The problem here is the mixture of technology, and determining the

lowest common denominator. Bob's MYROFF is orders of magnitude more simple than printing a .gif image. But when I read a manual, the schematic is necessary to understand the words. This implies that the ability to print a graphic is required to have a useful manual. And that says that we could take a step up from stuff that would run on a PDP-11, like variations of roff. But maybe not to Word, and all of its dialects.

Wha'd'ya think?

Bill Hawkins bill@bvc.frco.com

From boatanchors@theporch.com Sun Jun 4 15:53:05 1995
Date: Sun, 4 Jun 1995 10:53:05 -0500
Message-Id: <114928@w5ddl.aara.org>
From: n5off@w5ddl.aara.org
Subject: PV-2 Harpoon Retoration, Lafayette LA

A few months ago this nice ship was damaged in a OOPS-GEAR-UP-INSTEAD-OF-FLAPS-UP landing accident.

Anyway, the guys not only have all the original BA's in the original racks (including radar sets) they have every cubic inch available stuffed with later than WWII BA's such as multiple MIL IFF's, Collins 360 channel airline comms, etc. Weight savings seems to be the last concern.

To me, weight savings on a commercial aircraft is critical to financial survival. But the same would seem as a minor concern on a ship that was made to carry tons of bombs, ammunition, and armor plate. It would seem that there would be plenty of excess climb capacity due to the lack of munitions that BA weight wouldn't be a concern, esp in light of the "Best of Show" awards that are so much sought after.

My (latest) airshow favorites, the jets. Particularly the ones that are still in service, such as T-38 and F-5. The ultimate in Big Boy Toy excess.

And you thought (or your XYL) though BA's were expensive!!

Best regards on a hot weekend . . .

Tom n5off

From boatanchors@theporch.com Mon Jun 5 02:55:04 1995
Date: Sun, 4 Jun 1995 21:55:04 -0500
Message-Id: <9506050600.22615.aa@SMROUTER.AAC.COM>
From: Johnson_Dan@AAC.COM
Subject: Q: FW rect + 8300 uF/amps = 1V ripple?

Content-Type: text/plain; charset=US-ASCII

An acquaintance made a claim that I'd appreciate hearing confirmed or refuted. He said that modern capacitors have such high capacity that chokes are no longer required in power supplies. In particular, with full-wave rectification, he claimed that one need use only 8300 uF per amp to get 1V of ripple.

This probably doesn't apply to HV supplies, but for powering 24V-28V gear, does it ring true? Can I get a 24V, "adequately" filtered DC supply with a transformer, rectifier, and a computer-grade (30 or 50V nominal) 83,000 mF tin can?

Am I paying too much attention, authenticity aside, to 50-year-old literature?

TIA de KC4EWT
Johnson_Dan@aac.com

From boatanchors@theporch.com Mon Jun 5 03:35:16 1995
Date: Sun, 4 Jun 1995 22:35:16 -0500
Message-Id: <199506050332.UAA10215@mailhost.primenet.com>
From: nx7u@primenet.com (Scott Townley)
Subject: Re: Q: FW rect + 8300 uF/amps = 1V ripple?

At 21:54 04.06.1995 -0500, Johnson_Dan@AAC.COM wrote:

>Content-Type: text/plain; charset=US-ASCII

>

>An acquaintance made a claim that I'd appreciate hearing confirmed or
>refuted. He said that modern capacitors have such high capacity that
>chokes are no longer required in power supplies. In particular, with
>full-wave rectification, he claimed that one need use only 8300 uF per amp
>to get 1V of ripple.

>

>This probably doesn't apply to HV supplies, but for powering 24V-28V gear,
>does it ring true? Can I get a 24V, "adequately" filtered DC supply with a
>transformer, rectifier, and a computer-grade (30 or 50V nominal) 83,000 mF
>tin can?

>

>Am I paying too much attention, authenticity aside, to 50-year-old
>literature?

>

>TIA de KC4EWT

>Johnson_Dan@aac.com

>

You know, I went through the 12V-24V, moderate current power supply design stage a while back and ended up with capacitor values much like the ones you quote, derived from the power supply section of the ARRL handbook.

But then, I've opened up some commercial supplies and have found that they use MUCH smaller capacitors. But still no choke.

I have a guess (insert standard disclaimer here: hopefully someone a bit smarter can continue on this thread) about how it's really done. And that is, as long as there's enough secondary voltage overhead, you can use pretty small capacitors because the solid-state voltage regulator will eliminate your DC ripple for you.

Think about it: most simple regulators claim 60-80 dB ripple rejection on their spec sheets. That's x1000 to x10000 down! If you need 10mV regulation, than you can get away with a small enough capacitor as to have 10V ripple, if all you had to worry about was the VR specs.

There are other considerations: the dropout voltage of the VR (it needs a minimum input voltage its own self to stay in regulation) is the main one. So you can't practically go off and try and regulate 10V ripple (even if you did have sufficient secondary voltage overhead; that much additional voltage increases the dissipation of the pass transistors A LOT!). But it doesn't seem necessary anymore to do all your ripple rejection in the capacitor filter. Otherwise, why even bother with the electronic regulator?

Additional, unsolicited observation: if you use a VR with remote voltage sense (for current limiting), like the LM723/MC1723/derivatives, it is **imperative** to add some RFI filtering to the current sense leads. Without exception, I have found that this VR will pick up stray RF in the shack on these leads. Since a voltage across the two terminals corresponds to shutting down the regulator, what happens is the PS current-limits on transmit, just when you need it **not** to! I had this problem with my first PS project and it took forever to finally figure out what caused the problem!

Good Luck

Scott Townley

nx7u@primenet.com

From boatanchors@theporch.com Mon Jun 5 03:52:28 1995

Date: Sun, 4 Jun 1995 22:52:28 -0500

Message-Id: <Pine.3.89.9506042245.A3067-0100000@indy1>

From: "Roberta J. Barmore" <rbarmore@indy.net>

Subject: Re: Q: FW rect + 8300 uF/amps = 1V ripple?

Hi!

On Sun, 4 Jun 1995 Johnson_Dan@AAC.COM wrote:

> An acquaintance made a claim that I'd appreciate hearing confirmed or
> refuted. He said that modern capacitors have such high capacity that
> chokes are no longer required in power supplies. In particular, with
> full-wave rectification, he claimed that one need use only 8300 uF per amp
> to get 1V of ripple.

He's been reading Don Lancaster's column in what used to be
Radio-Electronics,* then, since Don recently pointed out that the "magic
number" for 1% ripple is 8300mF per amp (or so--that's from memory).

> This probably doesn't apply to HV supplies,

Why not? A power supply is a power supply; capacity-only supplies can
be found in many an old-time piece of gear. What springs to mind are the
transformer-supply variants of the 6L6 transmitter, which generally used
a "big" 16mF filter condenser and no choke.

> [...] Can I get a 24V, "adequately" filtered DC supply with a
> transformer, rectifier, and a computer-grade (30 or 50V nominal) 83,000 mF
> tin can?

Yes! Take some time to work out what happens at power-up, however,
since a high-capacity PSU *will* gulp down current (at roughly the same
rate the typical hamfest attendee goes through Blatz) when you first flip
the switch.

> Am I paying too much attention, authenticity aside, to 50-year-old
> literature?

No! *If* you want authenticity, that's the source. Given the price
and limited availability of many PSU components (not 24-28V so much as
common plate voltages), and the cost of *any* of it, any more it is often
a matter of using what you can get. These days, there's a slew of <50V,
high-capacity caps on the market, and not much in the way of chokes,
making that approach the simplest.

73,
--Bobbi

* Swelp me if I can recall what handle the mag uses now--"Gee-whizbang
Computing an' Electronics," or something? It was a whole lot easier when

we just had Short-Wave Craft, Radio Craft, QST and Radio and sometimes you saw Wireless World from the UK (another title blighted by "progress").

From boatanchors@theporch.com Mon Jun 5 05:08:36 1995
Date: Mon, 5 Jun 1995 00:08:36 -0500
Message-Id: <199506050505.AAA10854@zoom.bga.com>
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: Q: FW rect + 8300 uF/amps = 1V ripple?

As Johnson_Dan@aac.com said

>
> Content-Type: text/plain; charset=US-ASCII
>
> An acquaintance made a claim that I'd appreciate hearing confirmed or
> refuted. He said that modern capacitors have such high capacity that
> chokes are no longer required in power supplies. In particular, with
> full-wave rectification, he claimed that one need use only 8300 uF per amp
> to get 1V of ripple.

Whew! Another "cookbook" vast statement using vast/2 information. You probably won't get a volt of ripple across a 2-inch length of #14 copper wire hooked across the power supply output, either, which is about what an 8300 micro cap looks like from cold start.

>
> This probably doesn't apply to HV supplies, but for powering 24V-28V gear,
> does it ring true? Can I get a 24V, "adequately" filtered DC supply with a
> transformer, rectifier, and a computer-grade (30 or 50V nominal) 83,000 mF
> tin can?
>
> Am I paying too much attention, authenticity aside, to 50-year-old
> literature?

All of the theory is in the 50-year-old literature, but you've got to look at the right literature. Any of the standard EE texts by Terman, Seely, Kerchner and Corcoran, etc. discuss filter networks. If the book does not discuss power supply filters directly, take a look for "pi filters," which is what most power supply filters are. You will want to know the source impedance (the rectifier and the transformer winding), the load impedance (ohms represented by the load on B+) and have some idea about selecting choke input, capacitor input with a choke bridging the caps, or capacitor input with a resistor bridging the caps.

When I designed the new power supply for the RME-45, I took a look in Radiotron Designer's Handbook, and found a bunch of graphs and cookbook stuff that really didn't give me any solid answers. The old ARRL

handbooks give even less information on design parameters. Seely's "Electron Tube Circuits" and Terman's "Radio Engineer's Handbook" gave me a good rundown on the tradeoffs. I knew that I needed plenty of voltage drop, so was committed to choke input followed by a two-section RC pi network as my first choice of configuration. Fair has a bunch of chokes of various values, including some that will handle fairly hefty currents (500 ma.) at 500 volts.

The methods for selecting component values and predicting ripple and regulation are the same whether you are dealing with 5 volts 50 amps or 8000 volts 50 microamps. However, for high current, chokes don't work well because they saturate unless they are huge, and for high voltage low current, very simple filtering is adequate because of the high impedance of the load. If you are designing a single-phase power supply using something like 872A's for a pair of 813's, you have your work cut out for you, because suitable components for the voltages and currents are hard to find, and tend to be expensive. One reason commercial gear uses three phase is that a full-wave star-delta rectifier produces ripple at 720 Hz instead of 120---much easier to filter.

Most EE's consider power supply design to be the dregs of engineering, suitable only for hacks that can't make it doing anything else, and a lot of commercial gear shows it. I don't know how many times I have been assigned to a project as loose-ends "trouble shooter" and found that the prototypes are funning just fine---on lab supplies---and that the first loose end is to get some power supplies designed and built. I won't bother to comment on evenings spent in a power supply shop explaining to the "engineer" how to use a scope. A little time working with a good EE text and getting some understanding of what can work for you will pay off handsomely.

That RME-45, by the way, ships 150 millivolts of ripple out to the main B+ line (all pentode plates) and next to nothing to the screens and oscillator and first audio plates (more filtering, much voltage drop). The biggest cap is 33 mfd. 350 volts. An hour or two with Seely, "Electron-Tube Circuits," gave me a paper study that would have satisfied a Japanese chief engineer, and was plug-and-play.

By the way, I hope this is for something like a good radio or transmitter. I charge extra for stuff to go into toob audio amplifiers. One example of a power supply setup that isn't worth the powder to blow it to hell is the 5AR4 feeding an RC pi section filter with big barrel caps that was commonly used in 60's toob hi-fly.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Sun Jun 4 23:56:16 1995
Date: Sun, 4 Jun 1995 18:56:16 -0500
Message-Id: <CPLAN030.TFMA.711346160095155FCPLAN030@ION.CHEVRON.COM>
From: "Marcotte, T F (T)" <TFMA@chevron.com>
Subject: R-390 Factory Miswired?

From: Marcotte, T F (Tom)
To: OPEN ADDRESSING SERVI-OPENADDR
Subject: R-390 Factory Miswired?
Date: 1995-06-04 18:39
Priority:

I have a problem with an R-390 that I am whipping into shape.

Seems that the local audio is controlled by the line gain pot and vise versa.
Also, the line gain meter doesn't register. Since this was the least of this rigs problems when I got it, I saved it for last after I got the beast receiving well.

Now its time to tackle this.

I checked the wiring in the audio module and it was proper. In checking the wiring from the pots to the connector plug 119, I found that pins 1 and 3 are apparently cross wired, which could cause this problem. The plug wiring seems to be unmodified.

Q: If I simply switch these wires, will the world end in smoke? Is there perhaps a reason for this cross wiring that I am missing? Did the Army tolerate this?

Both the local and line amps work well.

Should I just switch these and tune for maximum smoke?

73 de tom
tfma@chevron.com

From boatanchors@theporch.com Mon Jun 5 03:58:52 1995
Date: Sun, 4 Jun 1995 22:58:52 -0500
Message-Id: <9506050354.AA76796@pilot1.cl.msu.edu>
From: "Stanley L Flegler" <flegler@pilot.msu.edu>
Subject: R-390A audio

I bought an LS-166 speaker from Fair Radio and hooked it up to the line audio terminals on the back of my R-390A. It works very well. The unit has a 600 to 8 ohm transformer to match the speaker to the 600 ohm line on the R-390A. On my set this delivers all the audio I ever want. It is not HiFi because the speaker is tailored for voice frequency response. If someone wanted they could remove the transformer from the unit (this match 600:8 is hard to find) and use it to drive a HiFi speaker. Stan, K8RPA, flegler@pilot.msu.edu

From boatanchors@theporch.com Mon Jun 5 06:33:10 1995
Date: Mon, 5 Jun 1995 01:33:10 -0500
Message-Id: <199506050631.AA12275@cruz.com>
From: Bill VanAlstyne <bill@cruz.com>
Subject: R-390A VFO endpoint adjustment

Hi all,

Thanks to all who responded about the loudspeaker options... Appreciate all the help, really!

Now here's a tougher one (maybe):

My receiver is way out of spec as far as the VFO's frequency range is concerned. From end to end, it gains about 1 KHz for every 100 KHz you tune -- which is to say, about 10 KHz from end to end of a band; the spec (per the manual) is 500 Hz! So an adjustment of the VFO's range is definitely in order. This is described in Section 6.2.16, Variable-Frequency Oscillator End-Point Adjustment.

Now, I haven't attempted this yet, but reading through the procedure, I can't make head nor tail out of it! It makes no sense to me at all, and I am wondering if there is an error in the description of the procedure, or a typo, or if I'm just being kinda dumb. (I'm sure that's the most likely explanation!) I don't want to bore the list with details on this, but if someone out there is experienced with this adjustment, I'd appreciate an

explanation of how the procedure described in the manual can possibly work! The whole procedure appears to be done at the top end of the band, with no reference to the bottom end at all... Like, how can you calibrate the VFO's frequency range without going back and forth between the top and bottom ends?? I must be missing something here!

My manual, BTW, is NAVSHIPS 0967-063-2010, 15 April 1970, if that matters. Any help greatly appreciated.

73,
Bill, N6FN (again)

From boatanchors@theporch.com Mon Jun 5 06:04:44 1995
Date: Mon, 5 Jun 1995 01:04:44 -0500
Message-Id: <9506050600.AA20626@texan.frco.com>
From: bill@texan.frco.com (William Hawkins)
Subject: Radio Age

This little 8 1/2 X 11 by a dozen pages publication always had some fascinating history in each copy. When the owners were ready to give it up, the Mid-Atlantic Antique Radio Club took it up as their newsletter. Roy Morgan told me of the change, so I became a member of MAARC to continue receiving Radio Age. The May issue is outstanding (unless you are an aircraft restorer). The first article is on Stereo Sound - Part 1, and begins in 1881. Then there's two articles by Ludwell Sibley on the Zenith Trans-Oceanic. He plainly knows a lot about these radios (Padgett, do you copy?). Then there's a third article by Sibley about the new Western Electric tubes and their effect on offshore clones.

Non-claimer: I don't have anything to do with MAARC, except that I think that a membership is money well spent. This year's membership chair is Jay Kiessling, PO Box 67, Upperco, MD 21155.

Bill Hawkins bill@bvc.frco.com

From boatanchors@theporch.com Mon Jun 5 03:44:53 1995
Date: Sun, 4 Jun 1995 22:44:53 -0500
Message-Id: <F64M4049.F64M4100@mail.admin.wisc.edu>
From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: Re. Using boatanchors?

to: boatanchors@theporch.com

Use the old gear? HELL YES!!!

I'm still putting together a coax switch tree, but currently in the shack we have

RECEIVERS

- Collins R-390
- Motorola R-390
- EAC R-390A
- Stewart-Warner R-392
- Collins R-389
- National RBL-5
- Magnavox R-1134/WRR-3
- BC-348P
- BC-348Q
- TMC GPR-90
- Hammarlund SP-600JL
- Hallicrafters SX-62B (mostly AM/FM broadcast)
- TCS-14 (Air King Radio Corp. used w/ matching transmitter)

NEWER RECEIVERS

- Drake R-8 w/ internal VHF converter
- Icom R-7000
- Radio Shack PRO-2004

IN STORAGE OR UNDER REPAIR / RESTORATION

- Hallicrafters SX-28
- Hallicrafters ARR-7
- National HRO-50T
- National RAS-5 (wartime Naval HRO)
- Motorola R-220 (25 - 238 MHz cold war vintage multimode SIGINT set)
- Numerous ARC-5 "Command" receivers
- Two more R-390As in various states of restoration / repair

RECEIVING ACCESSORIES IN CURRENT USE

- SA-8 Panoramic adaptor (temporarily running; improvised power supply)
- BC-1032 panoramic adaptor
- 2 military multireceiver antenna couplers
- Ampex ATR-700 tape recorder (due for head replacement)
- Universal M-7000 multimode digital demodulator w/ OS-8 military scope as tuning indicator

TRANSMITTERS

- Globe King 500 (no suffix), driven by Globe 722 VFO
- Knight Kit T-50 driven by Heath VF-1 VFO
- TCS-14 (see TCS receiver for details)
- T-195 / GRC-19, w/ 28 VDC, 50 AMP power supply
- Gonset "Commander", driven by Globe 722 VFO or run crystal controlled

UNDER REPAIR, RESTORATION, OR CONSTRUCTION

- ART-13 (power supply nearing completion)
- Elmac AF-67
- Heathkit DX-100 (no suffix), currently CW only
- Johnson Ranger I (requires removal of CBer modifications)
- Homebrew AM/CW transmitter (under construction):
 - 4-1000A PA (class C)
 - P/P 304TL modulators (class AB1)
 - hetrodyne exciter, 160 - 10 metres (inc. WARC bands)
 - 1500 watts power output on CW; 375 watts (1500 PEP) on AM

MISC.

- Kenwood TS-140 SSB transceiver
- Hallicrafters "T0 Keyer"
- BC-221 frequency meter / CW + modulation monitor
- Tektronix 545 plug-in scope w/ scopemobile, scope camera, and various plug-ins (to keep the rest of this junk running, and monitor modulation or keying waveforms via resistive divider taps in transmission lines)

What can I say? I like boatanchors, and I have for a LONG time.

73's,

Tom, K9TA

From boatanchors@theporch.com Mon Jun 5 04:12:22 1995
Date: Sun, 4 Jun 1995 23:12:22 -0500
Message-Id: <199506050409.XAA02407@uro.theporch.com>
From: Jack Taylor <n7oo@hereford.ampr.org>
Subject: Re: Re. Using boatanchors?

Boy! I see there are some DEDICATED BA types on here! How's about posing for a picture in front of your collection...and making it available? Let's not have ANY excuses about the shack being under construction or disorganized, etc., etc.! Let's just DO it!

Oh, do I use my BA's? Nope, don't have time...even missed firing up the lovely old model 28 ASR for my 60 WPM teletype schedule tonight, sigh....

73 de Jack

From boatanchors@theporch.com Mon Jun 5 04:15:02 1995
Date: Sun, 4 Jun 1995 23:15:02 -0500
Message-Id: <9506050407.AA10851@pilot1.cl.msu.edu>
From: "Stanley L Flegler" <flegler@pilot.msu.edu>
Subject: RT-1512/G question

Does anyone know anything about the RT-1512/G listed on page 1 of the new Fair Radio catalog? I'd like to know the manufacturer, what sort of passband filters it has, is it any good, etc. Stan, K8RPA, flegler@pilot.msu.edu

From boatanchors@theporch.com Mon Jun 5 02:23:03 1995
Date: Sun, 4 Jun 1995 21:23:03 -0500
Message-Id: <199506050219.TAA13816@netcom4.netcom.com>
From: rmccarty@netcom.com (roger mccarty)
Subject: SB220/SB221 Compare?

Would some one educate me please? (A daunting task to say the least).

I am vaguely familiar with the Heath SB220 but I know nothing about the SB221. What are the differences? How are they the same? All I know at this point is that they both use 3-500Z's.

Thanks

Roger KD6CC

From boatanchors@theporch.com Mon Jun 5 03:23:45 1995
Date: Sun, 4 Jun 1995 22:23:45 -0500
Message-Id: <199506050321.UAA08403@mailhost.primenet.com>
From: nx7u@primenet.com (Scott Townley)
Subject: Re: SB220/SB221 Compare?

At 21:21 04.06.1995 -0500, roger mccarty wrote:
>Would some one educate me please? (A daunting task to say the least).
>

>I am vaguely familiar with the Heath SB220 but I know nothing about the
>SB221. What are the differences? How are they the same? All I know at
>this point is that they both use 3-500Z's.

>

>Thanks

>

>Roger KD6CC

>

>

I believe the only difference is that the SB-221 is 10m-disabled from the
"factory"; i.e., somewhere down the line you had to provide some kind of
licensing proof in order to get the instructions to build the kit for 10m as
well.

Scott Townley

nx7u@primenet.com

From boatanchors@theporch.com Sun Jun 4 13:51:13 1995

Date: Sun, 4 Jun 1995 08:51:13 -0500

Message-Id: <199506041347.AA18814@ns-1.csn.net>

From: wkleros@csn.net (Bill Kleronomos)

Subject: TEST MESSAGE

NEED TO TEST SLIP CONNECTION

From boatanchors@theporch.com Sun Jun 4 23:15:20 1995

Date: Sun, 4 Jun 1995 18:15:20 -0500

Message-Id: <199506042312.AA11493@cruz.com>

From: Bill VanAlstyne <bill@cruz.com>

Subject: Viking Valiant??

I may be looking for a BA CW xmtr one of these fine days to go with my
R-390A, and I have fond memories of a Viking Valiant I used in the '60s... I
actually bought it as a used rig from Henry Radio by mail order, I think
around 1967 or so. Anybody have one in good shape they'd like to get rid of,
or know of one? And what's the general opinion of this rig? I thought it was
pretty solid, real stable VFO, solid design... Comments?

BTW, I'm still looking for suggestions about the best way to get loudspeaker
audio out of an R-390A...

Bill, N6FN

bill@cruz.com

From boatanchors@theporch.com Sun Jun 4 15:49:03 1995
Date: Sun, 4 Jun 1995 10:49:03 -0500
Message-Id: <Pine.SUN.3.91.950604084204.517B-1000000@crl10.crl.com>
From: Steven Wilson <randyw@crl.com>
Subject: Wanted to purchase a R-390A

Do you have an extra one, one that needs some TLC, or just need some space on the shelf ?

Price and condition ?

de stan ak0b